

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD103123\
 Data File : VD077455.D
 Acq On : 31 Oct 2023 12:15
 Operator : JC/SY
 Sample : VD1031SBS01
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1031SBS01

Manual Integrations
 APPROVED

Reviewed By :John
 Carlone

Quant Time: Nov 01 06:03:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D103023S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 31 04:19:17 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.875	168	269550	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	484973	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	427100	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	191119	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	196874	51.652	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.300%	
35) Dibromofluoromethane	7.810	113	170907	50.987	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.980%	
50) Toluene-d8	10.269	98	676460	51.956	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.920%	
62) 4-Bromofluorobenzene	12.575	95	220901	50.375	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 100.740%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	47586	21.894	ug/l	95
3) Chloromethane	2.152	50	70661	20.478	ug/l	98
4) Vinyl Chloride	2.287	62	73488	21.840	ug/l	95
5) Bromomethane	2.693	94	37457	21.243	ug/l	98
6) Chloroethane	2.840	64	48904	21.587	ug/l	98
7) Trichlorofluoromethane	3.181	101	100667	21.363	ug/l	97
8) Diethyl Ether	3.593	74	34867	20.584	ug/l	# 51
9) 1,1,2-Trichlorotrifluo...	3.969	101	60812	21.377	ug/l	93
10) Methyl Iodide	4.163	142	58145	18.314	ug/l	# 89
11) Tert butyl alcohol	5.057	59	32125	106.400	ug/l	# 91
12) 1,1-Dichloroethene	3.946	96	54063	20.074	ug/l	# 67
13) Acrolein	3.799	56	42645	107.107	ug/l	91
14) Allyl chloride	4.563	41	137023	21.090	ug/l	# 82
15) Acrylonitrile	5.257	53	98133	107.172	ug/l	98
16) Acetone	4.022	43	103001	102.124	ug/l	# 79
17) Carbon Disulfide	4.275	76	117189	16.803	ug/l	100
18) Methyl Acetate	4.569	43	73895	20.086	ug/l	# 75
19) Methyl tert-butyl Ether	5.316	73	174722	20.668	ug/l	92
20) Methylene Chloride	4.804	84	80867	19.871	ug/l	# 64
21) trans-1,2-Dichloroethene	5.310	96	62085	19.794	ug/l	# 74
22) Diisopropyl ether	6.216	45	296990	21.508	ug/l	# 89
23) Vinyl Acetate	6.157	43	606744m	101.851	ug/l	
24) 1,1-Dichloroethane	6.110	63	152801	21.326	ug/l	93
25) 2-Butanone	7.081	43	142409	105.857	ug/l	# 72
26) 2,2-Dichloropropane	7.075	77	132210	20.822	ug/l	90
27) cis-1,2-Dichloroethene	7.081	96	79225	20.388	ug/l	68
28) Bromochloromethane	7.428	49	54490	18.174	ug/l	# 52
29) Tetrahydrofuran	7.439	42	82557	103.470	ug/l	# 69
30) Chloroform	7.598	83	141226	21.110	ug/l	95
31) Cyclohexane	7.875	56	117403	19.704	ug/l	# 74
32) 1,1,1-Trichloroethane	7.798	97	116965	21.220	ug/l	94
36) 1,1-Dichloropropene	8.010	75	98200	19.759	ug/l	93
37) Ethyl Acetate	7.175	43	59458	20.847	ug/l	# 87
38) Carbon Tetrachloride	7.992	117	95859	20.469	ug/l	99
39) Methylcyclohexane	9.275	83	108503	19.135	ug/l	# 80
40) Benzene	8.251	78	288403	20.351	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
41) Methacrylonitrile	7.404	41	38161	20.911	ug/l	#	70
42) 1,2-Dichloroethane	8.322	62	94032	20.950	ug/l		89
43) Isopropyl Acetate	8.357	43	119636	20.327	ug/l	#	80
44) Trichloroethene	9.028	130	68208	19.649	ug/l		91
45) 1,2-Dichloropropane	9.304	63	89746	21.511	ug/l		100
46) Dibromomethane	9.398	93	38933	19.391	ug/l		89
47) Bromodichloromethane	9.586	83	107184	20.197	ug/l		98
48) Methyl methacrylate	9.381	41	57873	20.599	ug/l	#	64
49) 1,4-Dioxane	9.386	88	8731	404.686	ug/l	#	52
51) 4-Methyl-2-Pentanone	10.157	43	295733	102.082	ug/l	#	80
52) Toluene	10.333	92	178930	20.711	ug/l		99
53) t-1,3-Dichloropropene	10.557	75	114070	20.299	ug/l		97
54) cis-1,3-Dichloropropene	10.016	75	133099	20.582	ug/l	#	76
55) 1,1,2-Trichloroethane	10.733	97	54822	20.465	ug/l		92
56) Ethyl methacrylate	10.598	69	80540	20.222	ug/l	#	61
57) 1,3-Dichloropropane	10.881	76	101566	20.285	ug/l		98
58) 2-Chloroethyl Vinyl ether	9.869	63	192291	96.437	ug/l	#	84
59) 2-Hexanone	10.922	43	212796	99.711	ug/l		77
60) Dibromochloromethane	11.075	129	66881	20.763	ug/l		98
61) 1,2-Dibromoethane	11.180	107	51468	20.289	ug/l		98
64) Tetrachloroethene	10.810	164	53356	19.622	ug/l		88
65) Chlorobenzene	11.610	112	182645	20.412	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.680	131	68086	20.136	ug/l		98
67) Ethyl Benzene	11.686	91	364010	21.143	ug/l		96
68) m/p-Xylenes	11.792	106	255649	41.121	ug/l		77
69) o-Xylene	12.122	106	123800	20.789	ug/l		78
70) Styrene	12.133	104	213932	20.825	ug/l	#	91
71) Bromoform	12.298	173	37783	20.155	ug/l	#	99
73) Isopropylbenzene	12.422	105	339310	21.776	ug/l		94
74) N-amyl acetate	12.233	43	116906	21.181	ug/l	#	79
75) 1,1,2,2-Tetrachloroethane	12.675	83	66082	21.635	ug/l		95
76) 1,2,3-Trichloropropane	12.727	75	48892m	21.019	ug/l		
77) Bromobenzene	12.698	156	71407	20.819	ug/l		69
78) n-propylbenzene	12.763	91	429382	21.702	ug/l		92
79) 2-Chlorotoluene	12.851	91	237282	21.181	ug/l		88
80) 1,3,5-Trimethylbenzene	12.904	105	278615	21.309	ug/l		91
81) trans-1,4-Dichloro-2-b...	12.469	75	25058	20.809	ug/l	#	84
82) 4-Chlorotoluene	12.951	91	245409	21.031	ug/l		88
83) tert-Butylbenzene	13.169	119	235496	21.423	ug/l		86
84) 1,2,4-Trimethylbenzene	13.210	105	275983	21.249	ug/l		92
85) sec-Butylbenzene	13.345	105	363816	21.631	ug/l		94
86) p-Isopropyltoluene	13.463	119	290565	21.254	ug/l		92
87) 1,3-Dichlorobenzene	13.463	146	141369	20.969	ug/l		96
88) 1,4-Dichlorobenzene	13.539	146	140382	20.841	ug/l		95
89) n-Butylbenzene	13.786	91	308264	21.694	ug/l		97
90) Hexachloroethane	14.057	117	60261	21.540	ug/l		92
91) 1,2-Dichlorobenzene	13.833	146	124136	20.951	ug/l		96
92) 1,2-Dibromo-3-Chloropr...	14.445	75	10606	20.611	ug/l		77
93) 1,2,4-Trichlorobenzene	15.098	180	82517	20.273	ug/l		97
94) Hexachlorobutadiene	15.204	225	45241	20.606	ug/l		99
95) Naphthalene	15.333	128	161058	20.742	ug/l		98
96) 1,2,3-Trichlorobenzene	15.521	180	71090	20.234	ug/l		98

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ClientSampleId :
VD1031SBSD01

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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